

CLAIMS

- [001] A device for filtering particles from a dishwashing fluid in a dishwashing machine comprising a container (1) into which a predetermined quantity of a liquid (2) mixed with a foam-forming substance and/or cleaning agents is introduced and the container (1) comprises means (5) whereby a gaseous fluid flows through the liquid (2) mixed with a foam-forming substance and whereon liquid mixed with a foam-forming substance forms a foam layer (3) which exhibits filter properties so that a substantial fraction of the particles is filtered out in this foam layer (3) and remains in this foam layer (3).
- [002] The device according to claim 1, wherein the means (5) are constructed in the bottom area of the container (1).
- [003] The method according to claim 2, wherein the means (5) are constructed as apertures in a bottom sheet.
- [004] The device according to any one of the preceding claims, wherein means (4) are provided in the upper area of the container (1) whereby dishwashing fluid provided with particles is supplied.
- [005] The device according to any one of the preceding claims, wherein the container (1) comprises valve means in the bottom area through which both the cleaning dishwashing fluid and the contaminated foam flow away separately.
- [006] A method for filtering particles from a quantity of liquid in a dishwashing machine wherein a gaseous fluid flows through a predetermined quantity of a liquid mixed with a foam-forming substance and/or cleaning agents in a container and there forms a foam layer wherein the quantity of liquid mixed with particles trickles down and the particles are retained in the foam layer while the quantity of liquid flows through the foam layer and collects below this foam layer.
- [007] The method according to claim 6, wherein the contaminated foam is removed by suction.